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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,886	06/03/2004		John Charles Intile	146585-1	3885
23413	7590	05/10/2005		EXAMINER	
CANTOR		-	RODRIGUEZ, WILLIAM H		
55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002				ART UNIT	PAPER NUMBER
,				3746	
				DATE MAILED: 05/10/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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1	Application No.	Applicant(s)
	10/709,886	INTILE ET AL.
Office Action Summary	Examiner	Art Unit
	William H. Rodriguez	3746
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be till by within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under the practice.	s action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) Claim(s) <u>1-25</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) <u>1-25</u> is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examina 10) The drawing(s) filed on <u>03 June 2004</u> is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	a) \square accepted or b) \boxtimes objected to edinating a drawing (s) be held in abeyance. So ction is required if the drawing (s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Applica Drity documents have been receiv Bau (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 6/3/04.	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	

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DETAILED ACTION

Drawings

1. Figures 2 and 10 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated (See paragraph 0014 and 0022 of the specification). See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference characters "126" and "123" have both been used to designate a cover plate in Figure 3. Figure 3 fails to show an opening 126, as shown elements 126 and 123 appear to point to a same element, the cover plate. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Claim Objections

3. Claims 1-25 are objected to because of the following informalities:

In claim 1 line 8 delete "(C)" before "extending" and after "channels". Appropriate correction is required.

In claim 16 line 15 delete "(C)" before "extending" and after "channels". Appropriate correction is required.

In claim 20 lines 9-10 delete "a second flow first annulus" and insert --a second flow annulus-- before "in communication" and after "creating". Appropriate correction is required.

In claim 20 line 10 delete "said first flow first annulus" and insert -- said first flow annulus -- before ";" and after "with". Appropriate correction is required.

In claim 22 line 3 delete "(C)" before "extending" and after "channels". Appropriate correction is required.

For claims 1-25, delete the character "[c#]" in front of every claim. Appropriate correction is required.

Allowable Subject Matter

4. Claims 1-25 are allowed.

With respect to claims 1 and 16, the following is an examiner's statement of reasons for allowance: the prior art of record neither discloses nor makes obvious the combination set forth in the independent claims, and especially does not show "a combustor liner including a plurality of circular ring turbulators arranged in an array axially along a length defining a length of said combustor liner and located on an outer surface thereof, said first flow annulus including a plurality of axial channels extending over a portion of an aft end portion of the liner parallel to

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each other, the cross-sectional area of each channel is one of substantially constant and varying along the length of the channel" in combination with the other claim limitations.

With respect to claim 20, the following is an examiner's statement of reasons for allowance: the prior art of record neither discloses nor makes obvious the combination set forth in the independent claims, and especially does not show a method comprising the steps of: "providing a plurality of axially spaced rows of cooling holes in said flow sleeves, each row extending circumferentially around said flow sleeves, a first of said rows in said second sleeve is located proximate an end where said first flow sleeve and said second flow sleeve interface; supplying cooling air from compressor discharge to said cooling holes; configuring said cooling holes with an effective area to distribute less than a third of compressor discharge air to said first flow sleeve and mix with a remaining compressor discharge air flowing from said second flow annulus" in combination with the other claim limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

This application is in condition for allowance except for the following formal matters:
 Claims and drawings objections set forth in this office action.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Contact information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Rodriguez whose telephone number is 571-272-4831. The examiner can normally be reached on Monday-Friday 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S Thorpe can be reached on 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William H. Rodriguez

Examiner

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